

Title (en)

METHOD OF INHIBITING HYDROCHLORIC ACID FROM GENERATING DURING RECYCLING OF WASTE PLASTIC

Title (de)

VERFAHREN ZUR INHIBIERUNG DER BILDUNG VON SALZSÄURE BEIM RECYCLING VON KUNSTSTOFFABFÄLLEN

Title (fr)

MÉTHODE D'INHIBITION DE L'APPARITION D'ACIDE CHLORHYDRIQUE AU COURS DU RECYCLAGE DE REBUTS DE MATIÈRES PLASTIQUES

Publication

EP 1849822 A4 20080326 (EN)

Application

EP 05770364 A 20050809

Priority

- JP 2005014574 W 20050809
- JP 2005036038 A 20050214
- JP 2005036082 A 20050214

Abstract (en)

[origin: EP1849822A1] When a waste plastic such as, e.g., a waste container/package made of a plastic or other general plastic product waste, is used as a plastic material to be recycled, 0.1-40 wt.% acid acceptor is mixed with the plastic material to be recycled, the acid acceptor being in the form a masterbatch mixture with a base resin. The base resin preferably is an ethylene/ethyl acrylate copolymer or low-density polyethylene. The acid acceptor may comprise any one or more of magnesium oxide, hydrotalcite, calcium carbonate, magnesium carbonate, calcium hydroxide, and magnesium silicate. Thus, generation of hydrochloric acid can be inhibited when a waste container/package made of a plastic or other general plastic product waste is used as a plastic material to be recycled or is formed into pellets.

IPC 8 full level

C08J 11/04 (2006.01); **C08J 3/22** (2006.01); **C08K 3/22** (2006.01); **C08K 3/26** (2006.01)

CPC (source: EP KR)

C08J 3/226 (2013.01 - EP); **C08J 11/00** (2013.01 - KR); **C08J 11/04** (2013.01 - EP KR); **C08J 2323/02** (2013.01 - EP); **C08J 2423/00** (2013.01 - EP); **Y02P 20/143** (2015.11 - EP); **Y02W 30/62** (2015.05 - EP)

Citation (search report)

- [A] US 6525158 B1 20030225 - HOFFMANN KURT [DE], et al
- [A] DATABASE WPI Week 200221, Derwent World Patents Index; AN 2002-158463, XP002467816
- [A] DATABASE WPI Week 200159, Derwent World Patents Index; AN 2001-532655, XP002467819
- See references of WO 2006085400A1

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Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 1849822 A1 20071031; **EP 1849822 A4 20080326**; **EP 1849822 B1 20080924**; CN 101039996 A 20070919; CN 101039996 B 20100505; DE 602005009979 D1 20081106; HK 1109640 A1 20080613; KR 101110401 B1 20120313; KR 20070111444 A 20071121; WO 2006085400 A1 20060817

DOCDB simple family (application)

EP 05770364 A 20050809; CN 200580034494 A 20050809; DE 602005009979 T 20050809; HK 08100230 A 20080109; JP 2005014574 W 20050809; KR 20077008701 A 20050809